

Abstract

A method and apparatus for measuring registration between two or more integrated circuit layers is disclosed. Images of actual operative circuitry of different layers of a semiconductor wafer, obtained by an optical technique or a scanning electron microscope, are digitized and analyzed for the relative placement of pattern shapes of the corresponding layers. This relative placement is then compared to tolerance values and if out of tolerance misregistration of the two layers is indicated.

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1063473 v1; MSKX011.DOC